

Form PTO-1449 (modified)

List of Patents and Publications for Applicants

INFORMATION DISCLOSURE STATEMENT

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Atty. Docket No.

UTSD:703US/SLH

Serial No.

09/775,051

Applicant

Philip Jordan Thomas, John F. Hunt, William Christian Wigley and Rhesa D. Stidham

Filing Date:

January 31, 2001

Group:

Unknown

U.S. Patent Documents

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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DRG	C1	Betton <i>et al.</i> , "Probing the structural role of an $\alpha\beta$ loop of maltose-binding protein by mutagenesis: heat-shock induction by loop variants of the maltose-binding protein that form periplasmic inclusion bodies," <i>J. Mol. Biol.</i> , 262(2):140-150, 1996.
DRG	C2	Blackwell and Horgan, "A novel strategy for production of a highly expressed recombinant protein in an active form," <i>FEBS Lett.</i> , 295:10-12, 1991.
DRG	C3	Blakely <i>et al.</i> , "Epidermal growth factor receptor dimerization monitored in live cells," <i>Nature Biotech.</i> , 18:218-222, 2000.
DRG	C4	Bourot <i>et al.</i> , "Glycine betaine-assisted protein folding in a <i>lysA</i> mutant of <i>Escherichia coli.</i> ," <i>J. Biol. Chem.</i> , 275:1050-1056, 2000.
DRG	C5	Brown <i>et al.</i> , "Correcting temperature-sensitive protein folding defects," <i>J. Clin. Invest.</i> , 99:1432-1444, 1997.
DRG	C6	Bruijn <i>et al.</i> , "Aggregation and motor neuron toxicity of an ALS-linked SOD1 mutant independent from wild-type SOD1," <i>Science</i> , 281:1851-1853, 1998.
DRG	C7	Culvenor <i>et al.</i> , "Subcellular localization of the Alzheimer's disease amyloid precursor protein and derived polypeptides expressed in a recombinant yeast system," <i>Amyloid: Int J Exp Clin Invest</i> , 5(2):79-89, 1998.
DRG	C8	Dobson, "Protein misfolding, evolution and disease," <i>TIBS</i> 24:329-332, 1999.

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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DR6	C9	Foster <i>et al.</i> , "Pharmacological rescue of mutant p53 conformation and function," <i>Science</i> , 286:2507-2510, 1999.
DR6	C10	Harper and Lansbury Jr., "Models of amyloid seeding in Alzheimer's disease and scrapie: mechanistic truths and physiological consequences of the time-dependent solubility of amyloid proteins," <i>Annu. Rev. Biochem.</i> , 66:385-407, 1997.
DR6	C11	Houry <i>et al.</i> , "Identification of <i>in vivo</i> substrates of the chaperonin GroEL," <i>Nature</i> , 402:147-154, 1999.
DR6	C12	Huang <i>et al.</i> , "NMR structure and mutagenesis of the Fas (APO-1/CD95) death domain," <i>Nature</i> , 384:638-641, 1996.
DR6	C13	Hung <i>et al.</i> , "Crystal structure of the ATP-binding subunit of an ABC transporter," <i>Nature</i> , 396:703-707, 1998.
DR6	C14	Huth <i>et al.</i> , "Design of an expression system for detecting folded protein domains and mapping macromolecular interactions by NMR," <i>Protein Sci.</i> , 6:2359-2364, 1997.
DR6	C15	Kapust and Waugh, " <i>Escherichia coli</i> maltose-binding protein is uncommonly effective at promoting the solubility of polypeptides to which it is fused," <i>Protein Science</i> , 8:1668-1674, 1999.
DR6	C16	King and Sorscher, "Recombinant synthesis of cystic fibrosis transmembrane conductance regulator and functional nucleotide-binding domains," <i>Methods Enzymol.</i> , 292:686-697, 1998.
DR6	C17	Ko <i>et al.</i> , "The cystic fibrosis transmembrane conductance regulator," <i>J. Biol. Chem.</i> , 268:24330-24338, 1993.
DR6	C18	Lee <i>et al.</i> , "Effect of the N-terminal hydrophobic sequence of hepatitis B virus surface antigen on the folding and assembly of hybrid $\beta$ -galactosidase in <i>Escherichia coli</i> ," <i>Eur. J. Biochem.</i> , 187:417-424, 1990.
DR6	C19	Luzzago and Cesareni, "Isolation of point mutations that affect the folding of the H chain of human ferritin in <i>E. coli</i> ," <i>EMBO J.</i> , 8:569-576, 1989.
DR6	C20	Maxwell <i>et al.</i> , "A simple <i>in vivo</i> assay for increased protein solubility," <i>Protein Science</i> , 8:1908-1911, 1999.
DR6	C21	Opal and Paulson, "Genetic instabilities and hereditary neurological diseases," <i>Am J. Hum. Genet.</i> , 63(6):1921, 1998.

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Exam. Init.	Ref. Des.	Citation
DNB	C22	Papouchado <i>et al.</i> , "Expression of properly folded human glutamate decarboxylase 65 as a fusion protein in <i>Escherichia coli</i> ," <i>Eur. J. Biochem.</i> , 246:350-359, 1997.
DNB	C23	Pelletier <i>et al.</i> , "An invivo library-versus-library selection of optimized protein-protein interactions," <i>Nature Biotech.</i> , 17:683-690, 1999.
DNB	C24	Qu and Thomas, "Alteration of the cystic fibrosis transmembrane conductance regulator folding pathway," <i>J. Biol. Chem.</i> , 271(13):7261-7264, 1996.
DNB	C25	Rao <i>et al.</i> , "Rhodopsin mutation G90D and a molecular mechanism for congenital night blindness," <i>Nature</i> , 367:639-642, 1994.
DNB	C26	Sugihara and Baldwin, "Effects of 3' end deletions from <i>Vibrio hrveyi</i> luxB gene on luciferase subunit folding and enzyme assembly: generation of temperature-sensitive polypeptide folding mutants," <i>Biochemistry</i> , 27:2872-2880, 1988.
DNB	C27	Tan and Pepys, "Amyloidosis," <i>Histopathology</i> , 25:403-414, 1994.
DNB	C28	Thomas <i>et al.</i> , "Altered protein folding may be the molecular basis of most cases of cystic fibrosis," <i>FEBS Lett.</i> , 312:7-9, 1992.
DNB	C29	Thomas <i>et al.</i> , "Defective protein folding as a basis of human disease," <i>TIBS</i> , 20:456-459, 1995.
DNB	C30	Waldo <i>et al.</i> , "Rapid protein-folding assay using green fluorescent protein," <i>Nature Biotechnology</i> , 17:691-695, 1999.
DNB	C31	Wang <i>et al.</i> , "Expression and purification of the first nucleotide-binding domain and linker region of human multidrug resistance gene product: comparison of fusions to glutathione S-transferase, thioredoxin and maltose-binding protein," <i>Biochem J.</i> , 338:77-81, 1999.
DNB	C32	Wood <i>et al.</i> , "Prolines and amyloidogenicity in fragments of the Alzheimer's peptide $\beta$ A4," <i>Biochemistry</i> , 34(3):724-730, 1995.

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